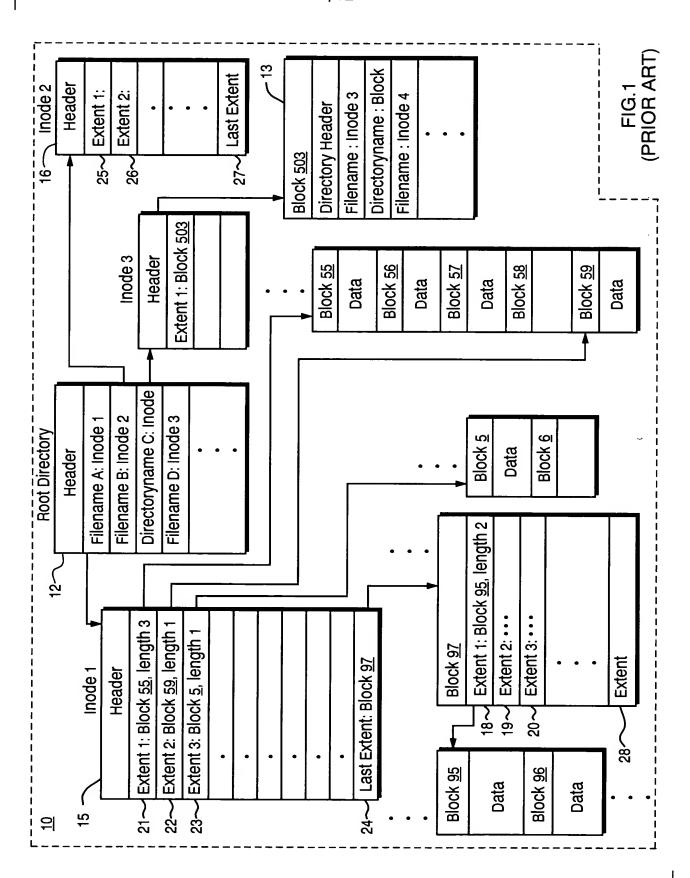
Applicants: Preston F. Crow, et al U.S.S.N.: To be Assigned

Title: Multi-Volume Extent Based File System
Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1
Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US

1/12



Applicants: U.S.S.N.: Preston F. Crow, et al

To be Assigned
Multi-Volume Extent Based File System Title: Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1
Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US

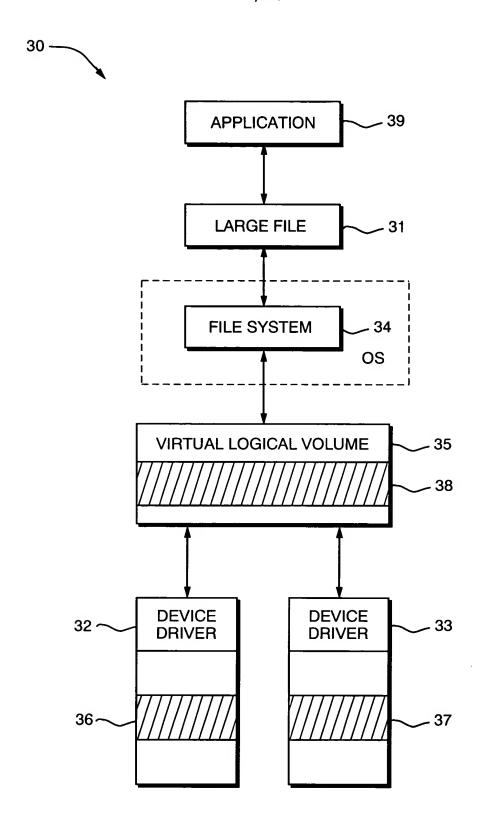
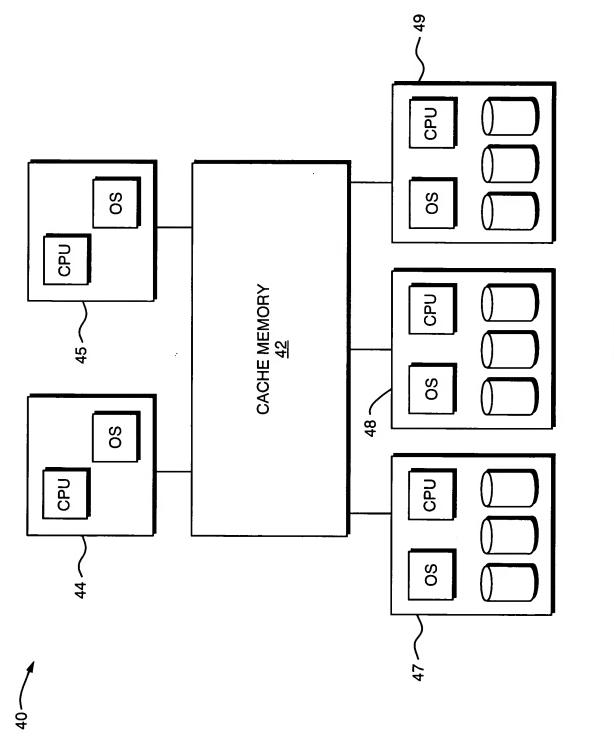


FIG. 2 (PRIOR ART)

Applicants: Preston F. Cr U.S.S.N.: To be Assign Title: Multi-Volum. Filing Date: To be Assign Attorney: Penelope S. V Express Mail Mailing Label No. Preston F. Crow, et al
To be Assigned
Multi-Volume Extent Based File System
To be Assigned / Docket No.: EMC-99-027DIV1
Penelope S. Wilson, Esq. (Reg. No. 29,751)
ing Label No. EK900600389US



Preston F. Crow, et al To be Assigned Applicants: U.S.S.N.:

Title: Multi-Volume Extent Based File System
Filing-Date: To be Assigned / Docket No.: EMC-99-027DIV1
Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US

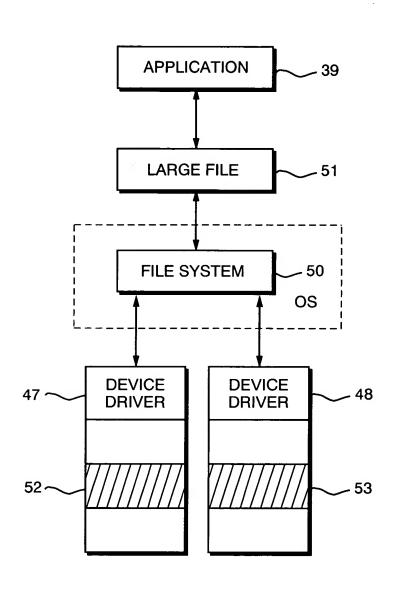


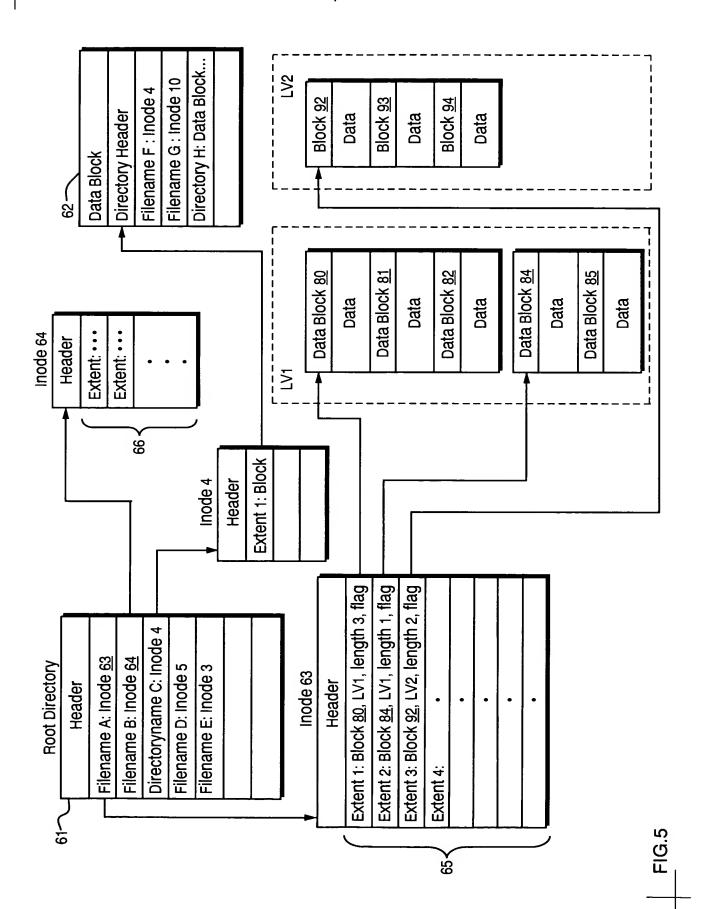
FIG. 4

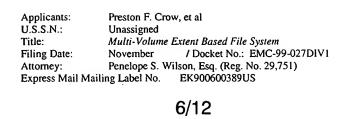
Applicants: U.S.S.N.: Preston F. Crow, et al To be Assigned

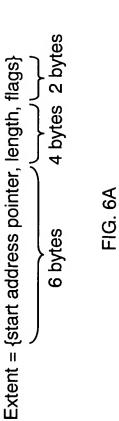
Title: Multi-Volume Extent Based File System Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1 Penelope S. Wilson, Esq. (Reg. No. 29,751) ng Label No. EK900600389US Attorney:

Express Mail Mailing Label No.

5/12







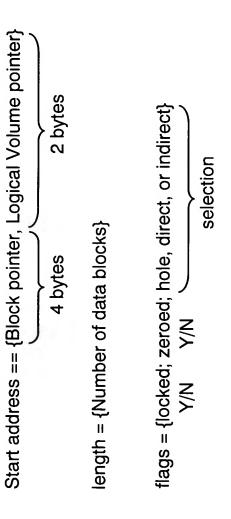
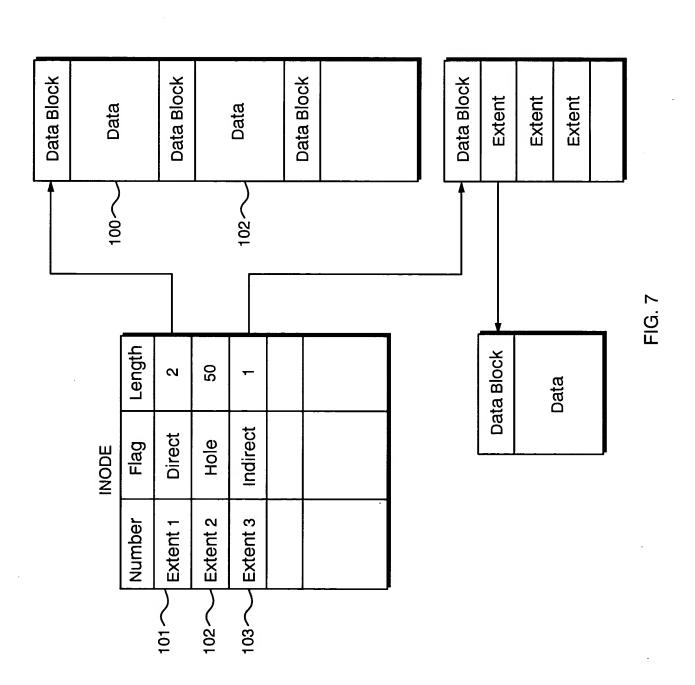


FIG. 6B

Applicants: Preston F. Crow, et al
U.S.S.N.: To be Assigned
Title: Multi-Volume Extent Based File System
Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1
Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US



Applicants: U.S.S.N.: Preston F. Crow, et al To be Assigned

Title:

Multi-Volume Extent Based File System
To be Assigned / Docket No.: EMC-99-027DIV1 Filing Date: Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US

8/12

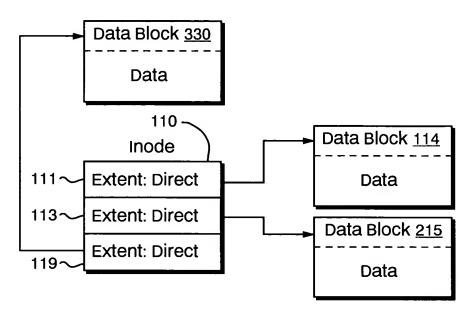


FIG. 8A

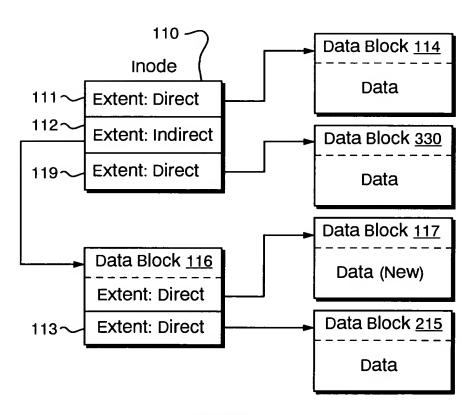


FIG. 8B

Applicants: U.S.S.N.: Title: Preston F. Crow, et al

To be Assigned
Multi-Volume Extent Based File System

To be Assigned / Docket No.: EMC-99-027DIV1
Penelope S. Wilson, Esq. (Reg. No. 29,751)
ng Label No. EK900600389US Filing Date: Attorney:

Express Mail Mailing Label No.

9/12

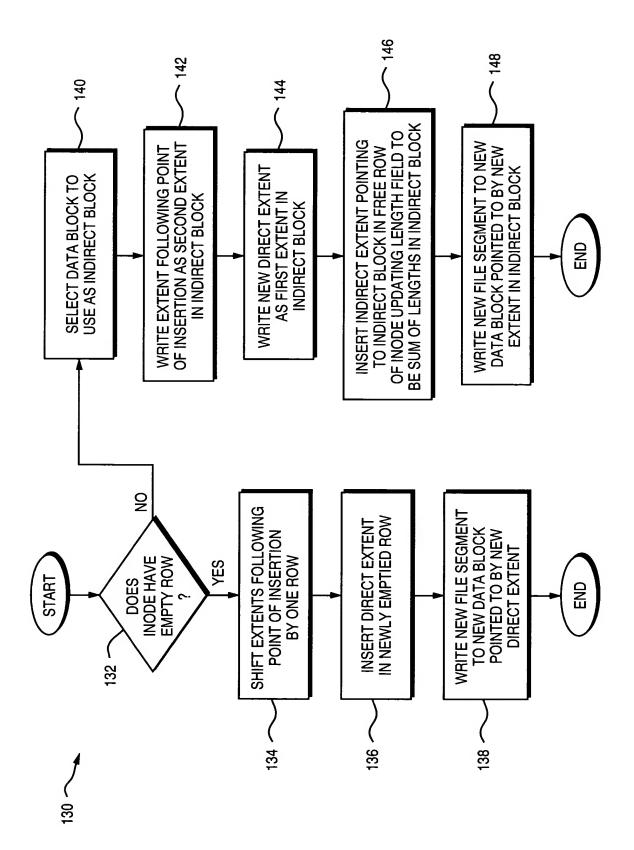
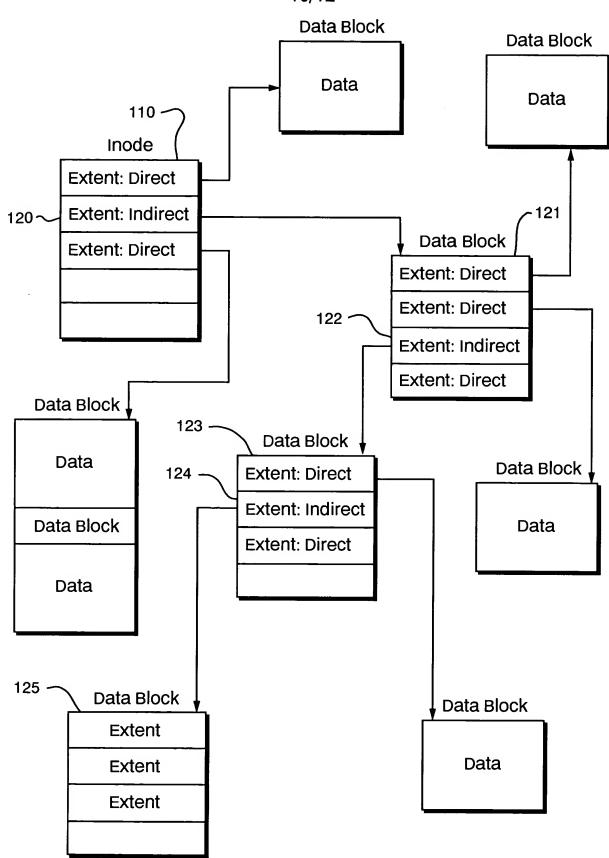


FIG. 8C

Applicants: Preston F. Crow, et al U.S.S.N.: To be Assigned

Title: Multi-Volume Extent Based File System
Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1

Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US



To be Assigned / Docket No.: EMC-99-027DIV1 Filing Date: Penelope S. Wilson, Esq. (Reg. No. 29,751) Attorney: Express Mail Mailing Label No. EK900600389US 11/12 _150 SELECT INODE FOR FILE - 152 SELECT LOGICAL VOLUME WITH AN ABOVE-AVERAGE SIZE CONTIGUOUS -- 154 REGION OF AVAILABLE DATA BLOCKS ALLOCATE SEQUENCE OF BLOCKS IN SELECTED LOGICAL VOLUME TO THE 156 FILE BY WRITING EXTENT POINTING THERETO TO THE INODE 157 161 RECEIVE REQUEST FOR MORE **UPDATE LENGTH FIELD BLOCKS FOR THE FILE** OF PREVIOUS EXTENT 158 · - 160 DO MORE BLOCKS ALLOCATE MORE BLOCKS YES **EXIST IN THE** IN THE CONTIGUOUS REGION **CONTIGUOUS** TO NEW REQUEST REGION NO SELECT A NEW CONTIGUOUS - 152 REGION OF ABOVE AVERAGE SIZE IN A LOGICAL VOLUME

Applicants:

U.S.S.N.:

Title:

Preston F. Crow, et al

Multi-Volume Extent Based File System

To be Assigned

FIG. 10

Applicants: U.S.S.N.: Preston F. Crow, et al

Applicants: Preston P. Crow, et al
U.S.S.N.: To be Assigned
Title: Multi-Volume Extent Based File System
Filing Date: To be Assigned / Docket No.: EMC-99-027DIV1
Attorney: Penelope S. Wilson, Esq. (Reg. No. 29,751)
Express Mail Mailing Label No. EK900600389US



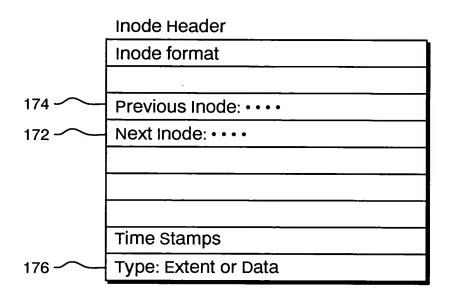


FIG. 11